Vol. XXIV. No. 36.

BOSTON, MASS., MONDAY, DECEMBER 19, 1904.

PRICE THREE CENTS.

POLICE TRIAL.

One Witness Testifies to Having Seen Torches Thrown at Police.

The first witness to be cross-examined at Friday's session of the police trial, was A. P. Mathesius, '06, who was on the stand at the close of Thursday's session. He said that he was in the hospital for thirteen days as a result of his injuries, and that he would be barred from study until next September because of his physical condition.

The second witness, A. E. Skillings, '08, could not swear that he saw any policeman strike a blow, although he saw a large number of clubs in the air and many motions to strike.

R. C. Caryl, '08, acknowledged having seen torches thrown at the policemen, and that he knew of one man who had obtained a helmet as a souvenir, but he would not mention his name.

Alexander Macomber, '07, who said that he was struck three times, repeated the story which he told at the preliminary hearing.

AMERICAN CHEM. SOCIETY.

Meeting of the Northeastern Section.

The northeastern section of the American Chemical Society held its monthly meeting Friday evening, at which Professor Bartlett of Dartmouth College spoke on "A Night with the Alchemists." The next meeting of the Society is to be held Jan. 27, 1905, when Professor Thorp of the Institute will speak on the "Advances in Technical Chemistry During the Past War."

Professor Bartlett presented his subject in a very interesting manner, outlining the early history of alchemy and its subsequent developments, and giving an account of some of the early alchemists and the theories developed by them. He read selections from some of the early literature of alchemy, and spoke of its great influence on modern chemistry. During the evening stereoptican slides of early alchemistic apparatus and paintings relating to this subject were presented, making altogether an entertainment well worth attending.

M. E. SOCIETY.

Meeting at the Union To night.

Dr. Edward Dyer Peters will address the Society this evening on "The Commercial Side of the Art of Copper Smelting." Dr. Peters is one of the leading metallurgists in the country, and is widely known as the author of "Modern Copper Smelting." For many years he has been manager of large copper mines and smelters, so that he is particularly conversant with the commercial side of the smelting business. This meeting promises to be a most interesting one, and all members should be present. All Course III men are cordially invited. The meeting will be held at the Tech Union at 8 P.M.

Athletic Association.

A meeting of the M. I. T. A. A. was held in 22 Rogers at 1 P.M., Friday. The constitution as drawn up by the committee, was adopted. The election of officers resulted as follows: Pres. L. Baron Turner, '05; Vice-pres., William's, '06; Sec. and Treas., H. J. Mann, '06. Simpson, '06, who was assistant manager of the Track Team last year was elected manager. The position of assistant manager was left open for the present as there was no immediate need for this vacancy being filled at the present time.

The managers and assistant managers of the various teams were approved by a rising vote. Under the new constitution the officers of the athletic association will be the undergraduate members of the Advisory Council.

Fencing.

At the meeting of the Intercollegiate Fencing Association in New York on December 28, Tech will be represented by Captain Lage of the Tech Fencing Team. The schedule will be made up at this time and meets arranged.

Course XIII Hockey.

After a most successful football season, Course XIII has organized a Hockey Team, and is practicing daily with Ships' Curves in the Drawing Room, 30 C, and expects to add more new scalps before the end of the season.

KOMMERS SHOW.

Minstrel Troupe Makes a Hit.

The farewell performance of the Sunshine Minstrels at the Union Saturday night was a decided success, nearly every number meeting with the cheers of an enthusiastic audience.

The end men, Henderson, Bingham, Vinton and Simpson were well made up and did remarkably well considering their limited preparation. Henderson's part of the performance was especially good, as was that of Lawton, the interlocutor.

The music was excellent throughout. Solos by Patch and Cook, as well as several coon songs by Henderson, supported by the 1906 Glee Club, were very well received.

An entertaining feature of the program were the feats of magic performed by H. J. Mann whose work was very clever.

The minstrels program on the whole, was very creditable and the performance interesting throughout.

Fencing Contest.

The winners in the fencing contest at the Gym, Saturday evening, were the following: 1st, Leh; 2d, Henry; 3d, Hirsh. Judges: Bowman, Riley, Lage.

Course IX beat Course II in the basket ball game at the Gym Saturday afternoon. Score 8 to 1.

Senior Portfolio.

Hearn has been chosen as Senior photographer. The Portfolio Committee announce that pictures can be finished before Christmas if sittings are had immediately. Those men who will be in town during the holidays are earnestly requested to see Mr. Hearn then. They will thus greatly expedite matters.

Notice.

There will be a meeting of the Institute Committee, Friday, December 23, at 1 o'clock in the Trophy Room.

Wanted.

Names of students who would like to take subscriptions for "Success" next summer. Apply at Dean's office.

CHOICE OF COURSE LECTURES

First of the Series Given Saturday Morning.

The series of lectures to the Freshman Class on the choice of a course was begun Saturday morning in Huntington Hall, Prof. Sedgwick lecturing on Biology, Prof. Swain on Civil and Sanitary Engineering and Prof. Clifford on Electrical Engineering.

Professor Sedgwick emphasized strongly the importance of choosing a course for which one is naturally adapted, urging the new men to consider carefully the line of work upon which they wished to enter, stating, that, as a man's choice of his course is not irrevocable, he should by no. means follow a course for which he is not fitted merely because he has undertaken it. He recommended the Biological course to those who prefer pure science to its applications, and who wish either to teach or to carry on investigations along the' higher lines of natural phenomena.

Professor Swain described Civil Engineering as the basis of all the diversified branches of engineering science in use at the present time, and laid stress upon the statement that the man who desires to put his scientific knowledge into practical usage along such lines as Transportation, Erecting of Structures, or the Utilization of Water Power should take the course in Civil Engineering as his preparation, and that those who prefer to devote their energies to the study of Municipal Engineering and the Public Health should take up Sanitary Engineering.

He brought out the fact that every profession is overcrowded with men of mediocre ability and urged the students to put their best efforts into whatever line of work they decided to undertake.

Professor Clifford gave an account of the remarkable progress of electrical science during the last few years, and its constantly increasing importance in the management of the world's affairs. He stated that since it is impossible for a man to learn thoroughly all branches of engineering, he ought to specialize in some one branch, and master it in every

(Continued on page 2.)

The Tech

during the college year (from September to June). by students of the Massachusetts Institute of Technology.

Application pending for entry in the Hoston Post-office as second-class mail matter.

Editorial Staff.

CHARLES T. BARTLETT, 1906, Editor-in-Chief NORMAN LOMBARD, 1905, WALTER H. TRASK, 1908, Managing Editor Secretary L. T. BUSHNELL, 1905 J. Daniele, 1905 W. RANNEY, 1906 A. H. DONNEWALD, 1907

News Staff,

R. E. Bell, 1905 J. M. BARKER, 1907. E. F. WHITNEY, 1907. W. G. WALDO, 1906. R. P. LOWE, 1907. W. F. DOLKE, 1908.

Business Staff.

DONALD G. ROBBINS, 1907, Business Manager F. A. Benham, 1906, Asst. Business Manager M. McLeod, 1907, Asst. Business Manager

Office: 30 Rogers Building, 491 Boylston Street

Hours: | Editor-in-Chief 8:30-9 Daily

Managing Editor (8:00-9 (News Bureau, Rogers Cor.) (4:00-5

Contributions are requested from all under-graduates, alumnt and officers of instruction. No anonymous manuscript can be accepted. All communications regarding subscrip-tions or advertisements, should be addressed to the Business Manager.

Subscription - - \$1.50 per year in advance. Single Copies 3 Cents.

In charge of this issue: A. H. DONNEWALD, 1907.

Monday, December 19, 1904.

WILLIAM A. MICHOLS, PRINTER, 208 SUMMER ST., REAR

The Choice of Course Lectures which are being held during the present week no Freshman can afford to miss. Their importance to a man undecided as to his course is self-evident, but even to those who have already decided definitely they are of great advantage in helping him to a fuller understanding of his work and its relation to allied professions.

Dr. and Mrs. Pritchett will be at home at the Tech Union on Christmas Eve, December 24, to all students who will not be in their own homes.

NOTICES.

There will be an Exeter Club Smoker tomorrow at 6 o'clock, at the Tech Union. It is hoped that all Exeter men will be present, as matters of importance will be talked ever.

All third-year students are requested to obtain a set of the addresses on Tariff delivered in the U. S. Senate, which may be obtained free in Rogers Corridor, near door of Cage.

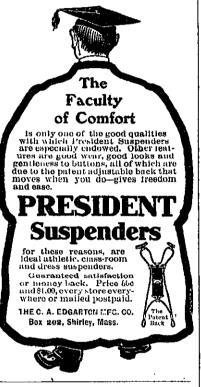
Naval Architectural Smoker at the Tech Union at 7.30, Thursday, December 22.

C. A. Anderson, Secretary,

(Continued from page 1.)

detail as thoroughly as possible, keeping a definite object in view, and he showed that the field of electricity presented a wide range of opportunity to the man whose natural adaptabilities lie in that direction.

The next of this series of lectures will be given in Huntington Hall at four o'clock this afternoon, when Professor Lanza will address the Freshmen on the Course in Mechanical Engineering, and Professor Talbot will speak on the courses in Chemistry and Chemical Engineering. Other lectures will be given on Friday, January 6, and Friday, January 13, at 4 P.M.



GARRISON HALL

Garrison and St. Botolph Sts.

AMERICAN AND EUROPEAN PLANS

CUISINE THE BEST

Special Low Rates to Students on Application

GEORGE R. HOWARD

"THE GIRLS ARE FOND OF THESE"



Tech Emblems

Greatest Variety Lowest Prices

BENT & BUSH BOSTON, MASS.

THE WALTHAM WATCH

THE BEST IN THE WORLD

American Waltham Watch Co.,

WALTHAM, MASS.



W. M. ROWAN

"THE TECH BARBER"

Westminster Hotel . . St. James Ave. SPECIAL TO STUDENTS

HAIR CUT 25 CENTS SHAVE 15 CENTS



Tailor and Outfitter.

12 BEACON STREET, BOSTON.

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order. Golf Breeches, Riding Breeches, and Dress Suits a Specialty.

DISCOUNT TO STUDENTS.

The Tech Bin Fraternity Pins and Seals Steins and Medals
FREDERICK T. WIDMER, Successor Henry Guild & Son, 28 West St.



58 WINTER STREET.



McMORROW College Shoes for College Men

238 Washington Street, Boston, Mass. OPPOSITE YOUNG'S HOTEL

STUDENTS INSTITUTE OF TECHNOLOGY

There is absolutely no Cigarette to compare to the

"MENTOR"

in smoothness, aroma and delicacy. It appeals to the "educated," not to the "hoi polloi." Please give it a trial. Made in three numbers.

No. 1, 20 cts, per box No. 2, 15 cts. per box No. 3, 10 cts. per box

GEORGE W. BROWN

Merchant **Tailor**

110 TREMONT STREET

Makes up-to-date students' clothes at very reasonable

prices=

Suits and Overcoats from \$35

This is the best time of the ENTIRE YEAR, for you to have your FULL DRESS, Turedo, or Double-Breasted Frock Suit made. We make a Specialty of these garments and make Special Prices during the slack season. Then again, we have an extra large assortment at this time, and the Tailors always make their work better when not rushed with work and we are willing to figure a little closer to keep our help busy. Step in and let us show them to you. And oblige Yours Respectfully,

BURKE & CO.

Tailors

843 Washington Street, Boston 1246 Massachusetts Avenue, Cambridge

That Totally Different Clothing for Men

Made to Order Ready to Wear Automobile

SMITH & SMULLEN CO.

16 SUMMER STREET

Near Washington Street



Hotel Lenox

Boylston and Exeter Streets Back Bay, BOSTON

ONE OF THE FINEST MODERN FIRE PROOF HOTELS IN THE Country. Two Minutes' $\mathbf{W}_\mathtt{ALK}$ from the $\mathbf{B}_\mathtt{ACK}$ $\mathbf{B}_\mathtt{AY}$ STATIONS, AND ONE BLOCK FROM COPLEY SQUARE

CHARLES A. GLEASON, Manager Send for illustrated booklet



NECKWEAR

From Messrs. Welch, Margetson & Co., London Also from The Best Paris Houses

Men's, Young Men's Women's and Misses'

Men's Shirts, Pajamas, Hosiery, Underwear, Bianket Wrappers, Storm Coats, Steamer Rugs, House Coats, Neckwear, Fancy Vests, Handker-ctiefs, Sleeve Studs, Cravat Pins, Umbrellas, Ladies' Gloves and Hosiery, Waists, Stocks

50 Cents to \$50.00

NOYES BROS.

A. H. MATZ & CO., Merchant Tailor,

HUNTINGTON AVENUE. Telephone 1336-3 Back Bay.

Contract Pressing by the Month.

FACULTY NOTICES.

Theoretical Electricity.

Problem 27 is due, corrected, today. Students will please procure copies of Franklin and Williamson's "Alternating Currents," to be obtained at Maclachlan's. Read chapter I for Wednesday, December 21.

Members of Cadet Battalion are requested to look over new gun numbers and seat numbers posted on Bulletin Board.

Colonial Theatre.

William H. Crane gives a notable impersonation of the modern Frenchman, leader in the speculating and monetary world, in his presentation of "Business is Business." made a great impression on the Paris stage at the Comedie Francaise, and is one of the notable importations given to American theatricals. With Mr. Crane as star and with Charles Frohman's excellent company "Business is Business," makes a rare artistic treat.

Hollis Street Theatre.

This is positively the last week of the notable engagement of E. H. Sothern and Julia Marlowe in Shakespearian plays under the manageEstablished 1874

DURGIN, PARK & CO. Market Dining Rooms

30 North Market & 31 Clinton Streets BOSTON

OPEN FROM 5 A.M. TO 7 P.M.

ment of Clyde Fitch. A particularly varied program has been provided, with "Romeo and Juliet," on Monday, Tuesday and Friday evenings, and Saturday matinee. "Much Ado About Nothing," Wednesday and Saturday evenings and "Hamlet" special Wednesday matinee and Thursday evening.

Park Theatre.

Amelia Bingham continues to attract brilliant and delighted audiences with Clyde Fitch's sparkling comedy, "The Frisky Mrs. Johnson," which is repeating here the hit that it made in New York. The title role shows Miss Bingham at her best and she has the support of an admirable comedy company including Henry Woodruff, John Flood and other favorites.

Tremont Theatre.

Boston playgoers are warm in their approval of George Ade's "The County Chairman," which has instantly leaped into favor. Macklyn Arbuckle, as Jim Hackler, the rugged, good-hearted politician, and Willis P. Sweatnam's clever delineation of the negro voter, are enthusiastically received by crowded houses.

COES & YOUNG

20 SCHOOL STREET,

BOSTON

DOUBLE SOLED OXFORDS FOR FALL

and Winter Wear

MEADOWBROOK **RESTAU RANT**

24-26 HUNTINGTON AVENUE

Huntington Chambers Building, near Copley Square

Copley Square

Huntington Ave. & Exeter St.

PATRONACE of "Tech" students solicited in our Cafe and Lunch Room

The attention of Secretaries and Banquet Committees of Dining Clubs, Societies, Lodges, etc., is called to the fact that the Copley Square Hotel has exceptionally good facilities for serving Breakfasts, Luncheons or Dinners and will cater especially to

Amos H. Whipple, Proprietor



LEADING PHOTOGRAPHERS

21 West Street
SPECIAL RATES TO STUDENTS OF THE INSTITUTE

THE BRUNSWICK

Boylston and Clarendon Sts., BOSTON. (Adjoining Copley Square)



Conducted on both the American and European Plans.

AMOS BARNES, Proprietor. HERBERT H. BARNES, Manager.

KEEPS!

SPECIALISTS in SHIRTS to order, as well as all Men's Wear, such as Hosiery, Underwear, Tailor-made Suits, Rain Coats, etc., all at popular prices.

Laundry Called for and Delivered

KEEP MFG. CO.

Makers of Keep's Shirts 156 TREMONT STREET

WOODLAND PAKK

AUBURNDALE, MASS.

45 minutes by electrics from M. I. T. Rooms singly or en suite, with or without private baths.

Tennis, Golf, Canoeing; Superb Grounds and Admirable Culsine.

Banquets and Dinners a Specialty. An ideal stopping place for visitors to M.I.T.

FREDERICK WILKEY, Proprietor. Send for Illustrated Booklet.



WEAR THE

SHOE

\$3.50 AND \$4.00

A. H. HOWE & SONS 170 TREMONT STREET, COR. MASON ROSTON

Oak Grove Creamery Company. DAIRY LUNCH ROOM.

445 BOYLSTON STREET, COR. BERKELEY

SANDWICHES OF ALL KINDS, SOUPS, TEA, (COFFEE, AND REGULAR DAIRY LUNCH

Our menu consists of a careful selection of the most appetizing and seasonable viands the market affords. Our unique combination breakfast plan is proving a most popular feature.

\$5.50 Check for \$5.00.

Pure Milk and Cream.

The Improved

for Gentlemen

ALWAYS EASY

The Name "BOSTON GARTER" is stamped

on every loop

Lies flat to the leg—never slips, Tears nor Unfastens

BOLD EVERYWHERE.

Goo. Frost Co. Make

grip

CUSHION

CLASP

BUTTON

NELSON L. MARTIN, Treasurer.

CITY TRUST CO.

40 STATE STREET.

Capital and Surplus - - \$2,000,000

PHILIP STOCKTON, President. C. F. ADAMS, 2d, Vice-President. GEORGE W. GRANT, Treasurer. GEORGE S. MUMFORD, Secretary. H. S. GREW, 2d, Asst.-Treasurer.

Your Deposit Account is Invited.



THE POPULAR PLACE

The Students' Drug Store

Under Copley Square Hotel
K1 HUNTINGTON AVENUE E. G. BOSSOM, PROPRIETOR
We carry a full line of Drug Store Goods

Go to

Huntington Avenue, corner West Newton Street . . . for

Drugs and Prescriptions

YOU CAN OBTAIN FIRST-CLASS BOARD Saint Botolph Street

Twenty-one Meals \$4.50 Fourteen Meals \$3,50

MANUAL MASSAGE WARDERY **ELECTRICAL**

TREATMENTS, \$1.00
Paralysis, Bheumatism, Joint Disease
Debility, etc. Instruction given in Massage EDW. E. TREFRY, M. E. Hoffman House, Suite 10, 126 Berkeley St

\$5.50 FOR **\$5.00**

REGULAR MEALS 20 c. and 25 c. Table d'Hote for 35c.

Served from 5.30 to 8 p.m.

CALENDAR.

MONDAY, DECEMBER 19.

4.00 P.M. Choice of Course Lectures by Professors Lanza (Course II), and Talbot (Courses V and X), Huntington Hall.

7.45 r.m. Mining Engineering Society
Meeting at the Tech Union. Dr.
Edward Dyer Peters will address
the Society on "The Commercial
Side of Copper Smelting."

TUESDAY, DECEMBER 20.

6.80 P.M. Exeter Club Smoker at Tech Union.

Hockey Team Practice Daily at Tech Rink.

Miniature Tech Steins.

Mr. C. E. Cobb, 346 Boylston St., will give a miniature Tech stein to every Tech man making a purchase at his galleries before December 26. This offer holds as long as the steins last. They are about two inches high and are decorated with the Tech seal.

THE TECH is now on sale in the Freshman Chemical Laboratory, Room 41. Walker.

Have You Any Conditions to Make Up?

Mathematics, German, French, English, taught in the most direct and thorough manner by masters in their profession.

Steinert Hall Preparatory School, 162 Boylston Street, Boston.

PAUL E. KUNZER, Ph.D., Languages. REST F. CURTIS, A.B., Mathematics. JAMES B. TAYLOR, A.M., English.

Theatre Attractions

CASTLE SQ .- "The School for Scandal." COLONIAL,—Wm. H. Crane in "Business is Business."

GLOBE,-Billy B. Van in "The Errand Boy." MOLLIS,—"The Rogers Brothers in Paris."
MAJESTIC.—F. C. Whitneys Musical Cocktail
"Piff, Paff, Pout."

PARK.-Miss Bingham in "The Frisky Mrs. TREMONT .- " The County Chairman."

TICKETS 🧈 HERRICK ALL THEATRES

Copley Square

Telephone 2329, 2330 and 2331 Back Bay

C. F. HOVEY & CO.

EVERY PAIR WARRANTED

Men's Furnishing Goods. Custom Made Shirts a Specialty.

33 Summer Street 42 Avon Street

BOSTON.

THE SHORT AND DIRECT ROUTE

Canadian Points and the West

Northwest and Southwest IS VIA

Lowest Rates



Fast Train Service

Parlor or Sleeping Cars on all Through Trains

City Ticket Office, 322 Washington Street, Boston

D. J. PLANDERS, General Passenger and Ticket Agent, Boston, Mass.

STONE & WEBSTER

Electrical Experts and Engineers

84 STATE ST., BOSTON, MASS.



408 and 410 Boylston St. LUNCH COUNTER, RESTAURANT and FANCY BAKERY, Ice Cream, Soda, Etc. Table d'Hote and a la Carte Dinners

a Specialty. Long Distance Telephone 21740 Back Bay.



BERKELEY AND BOYLSTON STREETS European and American Plans

Modern in Every Detail Restaurant à la Carte Dining Room table d'hote Gentlemen's Cafe and Billiard Room Entrance on Berkeley St

JOHN A. SHERLOCK